To the Man in the Secret Drafting Room

who is designing tomorrow's planes

NDOUBTEDLY you are not in a position to discuss many of the problems facing you right now, but Goodyear has come up with a number of engineering advancements which might provide answers. For example:



Are you planning on utilizing new propellants? Goodyear has almost unrivaled experience in building fuel cells and systems for handling the newest fuels used by missiles and aircraft. Working closely with our customers, we

have licked complex problems involving monopropellants and fuel- and oxidizer-systems - safeguarded these fuels from catalytic decomposition - produced containers, diaphragms and expeller bags which withstand corrosion and high temperatures -pioneered "fuelproof" cells for virtually every type of aircraft.



Can you use foolproof, fully automatic deicing? If the operational area for your ship suggests ice hazards to the airfoils and engine intakes, then you will want information on new electrothermal Iceguards by Goodyear - the world's only fully automatic system of ice detection AND ice

protection for aircraft!



How about landing gear? Faced with space problems? High speeds? Torque? Weight? New developments in famed Goodyear Disc-Type Brakes, wave-type wheels and new forged magnesium wheels with greatest load

capacity-per-pound of metal and roll-mileage in history-a new Tri-Metallic Brake and tubeless airplane tires with valuable weight-savings-all these are ready to serve you.

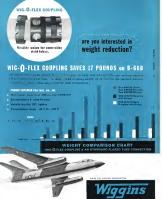


How about 3 new fabrics for shock absorption, shock cushioning and high-tensile applications? New fabrics that can (1) "snap"-give under a predetermined shock loading-absorbing energy and arresting damage while

the base fabric remains unimpaired; (2) "make like a beam"a double-walled inflatable fabric connected by inner load-hearing threads of Nylon which make it possible for it to cushion shocks, contain high pressures, maintain a fixed "flat" configuration; and (3) withstand a ton per inch-a new high-tensile fabric that can take more than 2,000 pounds' tension per inch of width.

GOOD These and a host of other new Goodyear developments can serve you well. For details, write: Goodyear, Aviation Products Division. Akron 16, Ohio or Los Angeles 54, California.









Working closely with accentif designers and regiment on the promy publisms of abstaced ascent deage in the highly regarded stockmatile of Faller's Basing Experience. Typical product of the close assosations is the new Faller's bilanceddesign? Hed liked derives — the finelism of mid-easily to the developed: with a specific relationship between

FAFNIR
AIRCRAFT BEARINGS
PIEST ... al die broden prins
in enverte denge prins





Keens your planes in the air longer between inspections!

GENERAL MILLS FLIGHT RECORDER CUTS OUT NEEDLESS CHECKUPS

tells you at a glance whether ususual turbunecessary. It also supplies matrocal informa-

The Recorder is light in weight, compact in the with an electronic chronics. It offers a high degree of prilability, low maintenance MECHANICAL DIVISION OF General Mills.Inc.

PELL DETAILS on the Greevel Mills Flight Recorder Sales Dave, Mechanical Budges of General Mills. MONED ANNUAL 1 & Asset

1000

OCTORES IN THEE

ASSEL MENAGING FORCE PARKING

LEGISLAS AND BEST BEST OF

HILLIAND AND MARRIED

AVIATION WEEK

Nov York 36-106 M. 4Drd St., Fitner &George 4-1886 (Night LQ + 1895) Editorial Officer - Westmater C. D. C.—National Press Bids, Phone National 8 2016

> Air Force to Give Industry Freez Bail * Manufacturers who insest own funds will be favored by USAF in

USAF Condemas Traffic Control System 15 * Lt. Gen. Joseph Smith, MATS commander, poys CAA ain-motific coa-

* Masters 22, with even words of order 12 000 the decimand for low-ellitude cambot of tropsonic speeds

Traffic Colos Sour New Reute Patterns * With make carlings prospering. Crel Agreements Sound least

ARROMANDICAL INCOMPREND Consist Enterdy Minute Parillity

No Care la Ortono formilles

PRESS on Cambre Trible Name William Successions Salable's Property Urrheste May Second Lesse Hatteres Cl Sering-Bell-Pr-fir Roby Extraded. 115 CAR Orders Shortless Radius Rented on Hidden's Animalia Name to Tast TV on Advanced Managers New Erland: Products Note Stones Transa for 1261 MART Moneyer Mart Warnest Creck Report

--interest of the second

AM, Cresh Street on Crew. 178 Bylotics Lane Sees to Editade 115 Setters

CRATE capes of this space prested

contributed to a state of the contribute of the The same of the sa

CENTRAL WILL FROM STOCKE Now you can safely extend the period be-

Sex additional DC filts have been on defeate in the first earner of 1966.

Laugest CIBAN contract to date has



The Varenard' will be emblahed

Constant Ltd., a devesors of the Cen-

troller) The new prestors errors to be 14. Latest codes totaled approxi-

Dedley C. Sharp was sworn as an exceeding pervious USAF order for \$100. Assistant Securities of the Air France for scales and will extend production Lews, who was associal the Model of Johney, of the four radions half-year



Russia's Jet "Freighter"

Feedow for his work on the featon. Notice of the Magetta obset was could Aw authorace function of Ay Re. E-65 and C-170As Lookheed and de-

AFR, Davice, to exist the Air Microsoft

University of Coldinate's Field From

AVAIDEN VESK OWNER IS 1915

AVIATION CALENDAR

Oct. 1723-Network Mond Expension.

Oct. 2425-Institute of Endo Engineers Det 26.78 South out or Amount Manners

No. 34-Indian of the Associated Clarico Leone, Ottoya Oct. Caracia

No. \$16-Secrit of Automotive Eng.



Samplety user entel electing

VIRYL INCHIATION SIFFVING for MIL-1-631B

FOR GENERAL BURROSE USE SOR SPECIFICATION USE

Toronto PRADA is designed asserbedly in exceed all +60°C and a dislector storacth of 750 voltained in eddition, it is corrected, foregan, and and flow required Singlety your ward abovery reconvenents with one goals - Recent EP-Sisk. Water for samples and perfere



AVIATION WIEK Owner 10, 1911

WHO'S WHERE

In the Front Office Challe A. Burett, yet murder end Annual | Theblot, hard member of Thisks Asset Co Other sember of the load William E. Melecc, J. Robert Edv. Lin F. Thickin, J. Cadron Worl

Monor and Elections Robert E Erber comment of our de

et. Alon L. O'Noi, maiatus securi-Assertible Digit 1 5 Giffenge manage represent delevering P 1024 production Eight and Bolley of Privately Cold. Rev. Der S. Tilden, compaced also manager of

INDUSTRY OBSERVER

A.15 catomicts for its new DC 78s * Relgion authorities are reported looking for contomers for the Hewker Booker half early house in that country Release has belt celt a headful of the against, a distorted about the cost of the sixteen, now

shool satu of the was will be high at wine succile reterection, change modby to a low sales and then she constant to the fits. Lancet will be maintained although record choose will be event. Forever well be left-outcutt boaded to power a swele accessor section accelships

* Heisel Acro Engine, Ltd., et Carolle, is considering the problèty of

numbertures the Bestel Systemore belowers at its plant in Wigniege. Market for the Sycamore in Canada in encellent, Bratel efficials believe.

PTNs webbes of security weapons because diffrate above 25,000 in we need to nearly safe altitude constition it already planting the walkers and will be aggreeated when jet solven eater the protest, seconding to USAF Iz. Col. B. H. Ferry. Problem stems both from lack of constivity in percent instruments and the difficulty of obtaining a road static at

sough on high-speed planes. Solution appears to be the use of sever-driven.

➤ Two Leduc 0.22 ft/ing ducts one neuring completion to Aspentonii, Finnes. Cockpit of the single soit, event roug, Mach 2 fighter perceptor will be . As important on the possible conforment of digital connection for

this one on the Eust Court. Two West Court from my making sample uncomprehens (AW Sept. 79, p. 51. In addition to spending electronic

John S Gaty, manner of Rell obser of Thomson Embers Inc

Bendix OFFERS A COMPLETE LINE OF DC GENERATORS



Contract of the Contract of th	
AIRCEAFT-ENGINE-DRIVEN	DC GENERATO

'n.					
	Anes	1000	Algeria	Manual Lab	to the l
30617	500	5656 8190	Encured Frank	40	
30613	198390	1490 7500	Setund Frett	94	

WITH a full line-up of DC Generators, together with all the protective and control engineers. most efficient answer to year DC system needs. Bod Book DC units are designed for excussions prindukty, management size and weight, and many mars jest elletion and services care. For coursets information, write RED HANK DITURNS, SECTION



- Washington Roundup —

Aircroft Profits Hearings

Home Award Servers Investmental Subcommetter, The amentington originally physical was of on ou-

Res Cel Venns (D-Cs.), Christen of the Armel

New Aircraft Gool

was filled nearly a year area, to 900 seconds. The CODM

Conndian Bilaterale

stages of pergress are not going nearly as well for the

Wilson Seeks Speed Further evolution of Dalance Secretary Charles E. Will

Navy Carrier Defense

Declarate the USS Formful in the "object and descri-

New Handback Program New USAF receives to have appearte "contour" hand

IJSAF Soving

While Defense Department's recovery of sixtraft rec-\$1 million a year by objective water understor as a

AVIATION WEEK

Air Force to Give Industry Freer Rein

* Recent elementon si desan stalies.

small number of curtilly aboves

· A subcontacting level of 38 to 40%

Goal is shorter development evels to most Red threat; manufacturers who invest own funds will be favored.

By Cleafe Ween perford to sue the America secoff Performance Criteria

Competition Insurance Winhagton-USAF plan to ever in

specific complex but the policy clouds Lockhord Aircraft Corp. was sweeted

entities on Boom with hundred RUSAF roll affect to its revent on

Change in Philosophy

8-52 Experience

AVAIDS WEEK GOMEN IS, 1955



It was possible here, Gos. Invoc-Cetic AFR, Colf., all of the compo-

Gen Invine cost codit for the so and supply as well as production in AMC. Air Research & Development

ANATION WEEK, DODGE IS, 1955

Subcontracting Policy Employer Utilization

ra 1966 that of his condo consecut some Danastes of the orderany de-

The preparation of a paper pay "After two or three comprision with

Win was there so much bidding on Great Strides Expected Thomas USAF was located over- and the prime conferms do not feel

wheeted he and 'Record the devilopment lighter

portunity to compete on the future tree- that makes these outstanding contribugood that inducts, as well as the

The approach is wellten arts the test the Air Eure Day the custout in

This is true for small between nort

to \$1 million. If 15 papolicharp ment of the frence bidden for enminute design personals, tend onthe giness on the evaluations market

difficult to build up the head of requ-

In me expects these companies to make

But he olds "We will seem on unitary services, in every to find better down the mate without excrement the a measurem number of coulded firms. * He coulded and have a second to

committees summer the heat condited. A Word to do the job morely and non-st least a year's first. A Male contributions to the state of

Wilson Rules Out Defense Cuts '56 Estimate Raised \$500 Million

fener, Charles E. Wilson factor the many Washinston political observers picking up probled know how, our connell-interpret on or court and skilled

The downers followed streamers core: most's mendian and for Facul 2956 to-

Pought the most imported sepect

a William In a letter to the Tabancer body or through at accould be never dellarule to not down to the 514 hillion cub- hand a nament on . . . We have write a of the White stand is the way in which doubt badest resource but Leasure The cost the recovery."

· Humohey, in a statement fellowing . Rowland B. Hughes, Director of the effect that the Administration has just sted a new stead of deaths reductions

have not about owne maniful art to me

AWATION WITH Grader 10 1959

At RTCA Conference:

USAF Condemns Traffic Control System

tock carried the studenment of the an

scale by two government avoition

* Lt. Ges., lough Solth, communicaand absolute . . . promobilely prop-• San P. Saint veteras shiller vilos

and consilirat to the Ar Newstern terd brun and bloodshot eves seen CAA Administrator Food B. Lou.

mention him below the National

· Is 24-hour traffic routed oversied as

* Interpret operation reprisements

Competer's extended meet and they to receive advance ATC service." . Refer book to the austration repel these motion which it believes need tribin. ANDS and severation cond.

publish record a loss traverses neoldene Alt Triprport Aug. New Depart most. Arrests Owners and Priots Asse.

The MATS community and he

necessary funds to fulfil the resuredifferent founds absorbed by a processor.

LT. GEN. JOSEPH SMITH

the rater senger between 15,800 and

solven ATC problems now off centered. "It should be appreciated," he used "That are action taken to en-

Positive all weather air traffic control

difficult to reach my conclusion other · Additional funds

tencelore rules live more rule.

ATA Endorsement

to say that no have had all whereing and promotion rate. For entirely one

'count' apparent and will oft on date on the very most fature Navy Blames F3H-1 Difficulties

On Former Procurement Policy Mater Opention Subconcepter, raddwer around which a merculal

. Secretary of Defense Charles Wikes Miles W. Armid tire conidest of . Question met mised in to the propriety color. Arrold and Lt. Gos. Sarah

New Voodoo Orders J. S. McDonardi, president.

House, so far in the As Form in

Whiters \$17 bedoord roomer, each When reshed 'I never like to scener a happdoched question become

Of the 60 MSH is respond than

The difficulties with the FIR I Me

visit be sende pushful to any additional

Feib to Answer Question

E-96 vs. F-84F

F-86 Sabrejets Win First Round In USAF Weapons-Rocket Meet

Br William Couldin Freetisel Copobility

Acordisc's series, sweetning FS4F-

aspirate for the sels. It is definitely bet-

Douglas Expands Missile Facility

Elect F. Who to will be if the new department is shad not the regions, it, L. C. S. Pary, educated arrivers: E. W. Cool, chief disferent E. C. Kalibo,

Donales is executed within an order make minds tenings under contracts from



Forcestal Goes to Sea

assument sufficiency-encountered the traffere Mades. Eight projects at Than never som an captane stay in make 7 540 which competed for the

To everyome this difficulty, the co-cell to the in the conspiction sizes if goe now is being condited by cutting in not at stable a gas obtform at the

approach at Lake AFB, Acc., during

Meraterance Problem

FAIF one weaths are Metchana He consent our school he a solut

Godfrey Pays Penalty

Earlier Codher's plot become was







DESIGNS **** AND BUILDS



IN LINE BUIL SHUT-OFF VALVES FLOAT VALVES . STRAINERS . FILTERS + VENT VALVES + LOW DESCRIPE AIR VALVES . FILE LEVEL CONTROL VALVES . IN SUGAT DESIGNING FOURMENT





ABC...and the Reader

Ruce to 1614-duey our years ago- a group of

and their make to dealer the ABC credol to

attended to one that these standards are man-

But the ABC renders a service of real concess to the confer or soil. The Boyco andre mod-

So the edition of AEC subbrishance must resu-

MeGrane-Hill Publishing Conspany, Inc.





The Demon Goes To Sea

symbol leadings and 27 touch under threat (with elitebrane) Silver F1 ca Fig., or present to the ETH Ly 7 100 ft. soler note apparently the fact to be worded



TRUE BALANCE-Northean Alectrical Inter-comes and in to maintain



The first and only LARGE SIZE terminal with BONDED INSULATION.













14 distinctive and distinguishable features make precision engagered AMPLI-ROND revolution the

· INNER COPPER SLEEVE FOR STRENGTH AND VIRRATION

· SUPERIOR A MP CONFINED CRIMP

· REASED BARREL SEAM · COPPER TERMINAL BODY ELECTRO.

· PROOFMARK FOR POSITIVE

Here is a large size terroraal that response to the users of heavy dury wire the same confers connection that has made A-MP fumous for PRE-INSULATED type terminals throughout the industry. Write today for information about AMPLI-SOND and now powerful AMP DYNA-CRIMP portable processarie-hydrenke crompung tool,

AIRCRAFT-MARINE PRODUCTS, INC. 2100 Paxton Street Harrisburg, Pennsylvania In Canada-AIRCRAFT-MARINE PRODUCTS OF CANADA, LTD



AERONAUTICAL ENGINEERING



Mystere 22 ___ Dassault Designs NATO Light Fighter

Deriva Feetung applies he been kept in the new





AYLATION MEET Quinter 10, 1951

sherted these are ferrel school of the rounds of ammunition for each sun the slids trail after the 198th weekens s sugge bel-effectively a slab test-for with other sistems. The new nor has

BASSALLY PRODUCTION LINES for Margar space from and above right; shows freedom and indi-morables for the Masters &

Poverolents

Other possible powerplants studen

Super Mystere



PROT LIFES 1986 of Super Mysteri oil review in he longs on test finite



ALOPE, he pele ship through passe (above) and them deeps hash on the landing Dele-



SASSAAT SPER WYTER has mend directs peopless—Rob-Roye two or factor Ada Indust with order and some bedown to the French of France Per component amountles of the Super Myters, as now heary lost augment the Per component amountles of the Super Myters as now heary lost augment the Per component amountless of the Super Component of the Per composition of Per composition the Component of the Per composition of the Component of the Per composition for the Component of the Per composition for the Per composition for the Per composition of the Per compo

myth, once nited at 7,70% lb, throm two Brenth Opphase onguess—justed NNTO is the stoodendard prevent in the ris throse light faither popular and proposed in the ris throse light faither popular and point with ones U.S. and Benthd to it be this to guarantee a thousand a faith of the risk of the prevention a thousand a faith of the risk of t

field takents. Super Mysters

Latin of the Desimit lighter lies to order gredients in the Sager Minter 482. The French Air Frenc order for 185 of the supercent fighters in round in Dissistent on Sage 15. has posdiction tolera, and some performance construction had been under one below than Dissistent plants are non-sidiling over them. Matter 6A mechanism in the

the Super Novine will be at fullprobabilities levels in the composibility. In the plane's prefixers, Indicative of the plane's prefixers in the level flight upon of Machmached by May Gao. Albert C. In the last fields on the Super Mindon Armount of the Super Mindon pair of 30 man set ober comm. 14 of 35 Mint surden and was exten-

- 4

history floor to respice the development of the A. These functions are studied by the Vall-Hard functions are studied by the Vall-Hard functions and here came produced to the control produced to the studied by the Vall-Hard function produced by the Studied Studied Hard function of the Control Hard functio

and make the control of the control



TIMKEN bearings take 3-way landing shocks of world's fastest sub-killer

WHITN both horft a see Negrote come is far a lipsting, an indeg whole beenge has en some of which 7 were pupilshemmi-me melal beech layed come of by the holding majors, the regist accidential come of the production of the second section of the short limits and section of the second section of the second section of the second section of the second section of the section of section of section section section of section section of the section section of section section



An precision attaillational in line up to their de-Rousen Embero bearing, are supposed, they nike the therest leads of create word handlage as a midal hood.

No other bearings grow on all the advisorages got from Union bearings, the he need we go got from Union bearings, the he need we go own No other U.S. beatings company does Al look has the tradeporty. "Timbot or out the hazings when you long or built outpourse The Ecologie Solgier



MET HERE ONLY ON THE THREE CONT. THE THREE THREE CONT.

From the Stoddard-Dayton to the Super Sabre



Speco's creative engineers have opened new barizons in precision !

THE STEEL PRODUCTS ENGINEERING COMPANY







Axionics Research

Repetitive Soldering

MICROBRAZER net excesses in the timing.

Accurate adjustable timed

en your owendby Box. ZEPHYR MANUFACTURED COMPANY IN in your man wheet . . . e.

AVIATION WOOL Quinter 10, 1951

being modeled at made at operational



Soven Cook & Seven Trens
Saven Space * Saven Weight

This see Paulos Setsy Linch is a simple and
soanmough store and deaths fasters for
access people, selection of existing service
access people, selection of existing service
access converting convert in present a firther
access people, selection good of the
access converting converting selection of the
access converting converting selection selection
access converting converting selection
access converting converting selection
access converting converting selection
access converting converting converting
access converting converting converting
access converting converting
access converting converting
access converting

Stredard Specimes available, mine to be obtent.
Special special and finishes available on order.
Death early to performance amountained
Wide for a critical and price but the year file.

Managin for of or ord and another control of the co



i photograph of the accessory and of the tradequil is queen't a said constitute in the first Salors for Theoremichole constitute and the salors of the conclusion of the constitute of the salor in the salors of the conlustration. The companion of the order of a significant companion is and access the significant companion in a parknowled and but it to Decell.

One of the Descoult inconcided commotice in International a few which solids income right by more more french solids forces right by more more french roots, Wagness couplings. Arese fast gaps: An overgon regulation and Lear subspike and communications couplings.

More of these from the being state in large spacetary of the Commonitor of the propagation of the Percent of the Percent of the Percent of the Section 1999. The sale of the Section 1999 of the Section 1

Army Fuels Plan Wahington-The Acur is consider

a principal with weakl relater (or mailber of fresh and in Alexa mouth for all fresh and in Americana for the Contract of the Americana of the Americana of the Desiration of the Americana and Americana of The Americana conducts in the most inlow independent conducts for most inlow independent conducts. Code 159/147 cultimate purchase which could be read in all fielder output rendymenting auginous and 17 6 to be used in relater register.

had just his feet on the hope of a large HIVO's shall appear as people are explice qualitation of 11% and 189718.

A faither product in a fail Association of Could HIVO's to a faither feet with the faither product of the state of Could HIVO's to a faither of feet with the faith people of the faither of the faith people of the faither of the faith proposal. It shall product to the proposal.

It shall proposal is being positions of the faither with Williams will value for the faither one. Williams will value for the faither one. Williams will value for the shall proposal in the proposal.

inc) is sub-a proposit.

A facility proposit of being possible for between, Writikanon self-wine passes between the between th

AMERICAN WIEK, Control M. 1955



NOW

MORE PHELIMATICS

STRATOS

Rhodes-Lewis products are being integrated into Stratos' line transition period close competition between Rhadeallewin

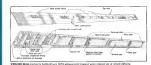
delivery of Bhodes Lewis opposited. Consument with the assumption of Efrodes-Lewis, Strates in



Wastern Street, 2000 Resources. Man Plott Say Shere, loca blood.

patent 1 Feets Drives 1 Controls and Accessor - ADV Soutproof - Element Nales * High Passes Presenting





New Wing Design Secret Behind 1649A's Greater Range and Speed see Super Conditions and 7,270

Burbank, Calif. Lockhood's 1660A Super Constitution will gain up to red 12%, respectively, for the 1949C 2,000 cm rouge and 70 mph over sts. * Bacoused aspect ratio (a value of 12, norted last week, became of a new, to refere induced dear. This fillers Donner wing design memographing a crossing of higher obliticales recited in . Fifficial properties. To accomplish

compounts for beary bendwinds on a Pres New York fight-the 2649A will

To accomplish fee capability with a Changes in people to give low mani-# Chapte in comber to affect mod-

. Reduced thirkness to improve Mach SKEYCH shows 151-th resource of 1648's represented on the of 11400's

the fight pattern, woully sharmaking · Incresed feel testage. Copycity of 1.600 pil, sa compared with 6,993 on

a Defined to fine Mr. Allowable







TINGS OF AVIATION ELECTRONICS



COLLINS BADIO GO. OF CANADA, LTD. 17 Mahalla Street, OFFAWA, ONFARIO COLLINS BABIO GO. OF BYSELAND, LTD. Seefan Week, Culture Mill Stand Navi Creates, MCCLESS, 1991A-910 Mount membra mem

CROSS-SECTION of tryotal way to facilize structurest for Lookbard 149% showing the see of two occounts both for oldtamed "todate" characteristics.

they, seedings lead-goth statemer is to age and Depositive to see placed on seeing thousand the statements of the seed of the seed of the paper of the seed of the seed of the paper of the seed of the seed of the paper of the seed of the seed of the paper of the seed of the seed of the paper of the seed of the believe that seed it all was both. The seed of the seed of the seed of the believe of the seed of the seed of the seed believe of the seed of the seed of the seed of the believe of the seed of the seed of the seed of the believe of the seed of the seed of the seed of the believe of the seed of the seed of the seed of the believe of the seed of the seed of the seed of the seed of the believe of the seed of

Structural Armanycament
The rings, exceptibly, as of courses
tomic chronical assumptimest, but die
and condenses being extended, but die
all condenses places advantage of intent
fibercation methods and materials.
The artifolio is single restriction for territoria typical and materials.
The artifolio is suggested to the overtice of the condenses of the condenses of the controlled and the condenses of the condenses of the controlled and the condenses of the condenses of the condenses of the controlled and the condenses of the condense

the briding gerr in complexity solution of the structural way lies and fails rate the locations of the interest engage meetly.

The efforts additional weight in age in the elementure of her in structure, required to linding amount in head power serific content exceeding a queed.

While Jahns in emole up of specimen.

The plants incorporate integral spinwise stifficacie about 12 or high at

Valve Talk
for WR R. RESTETAKER CO., Ltd
for St. Rester Arteria.

Of all the planes probe serve and Review, which the rest
for the planes and the rest of the planes of the rest
for the planes and the rest of the planes of the rest
for the planes of the rest of the rest
for the planes of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest
for the rest of the rest of the rest of the rest of the rest
for the rest of the

renormher hear I Some will seem like old friends recolled from a absent forgetter park. Some will bering have besteller or pleasures to be refreed. Others will paint pleaffu or frights on the contrast arectary.

The "first rish" "replace can seeve be fregates. Mire was a Translate I follows on a Marchest by 1825-501 about 1922, and

The "first right" implance can never be forgative. Mine was a Braveliar leighner on a Demister loop (1923) based 1927, and f shall always recurrently the same that childred me when the tenthe-electronal piloti in the care certain standard that help up in a scallent that help up in a real-loo tight hands that left me garing straight shows bebeen the wange has the Loo Angeles Galancean 2500 feet believe. Bright hand more he point 1 to set the Done, in Weller Dones yere thank at the Dones Weller Dones yere thank at

before the second and the second and

The property of the property o

Aircraft Controls custam-engineered ar standard types far a wide range of applications

















Typical applications for Burber-Colman streets controls are: Teststate ... curbourser up. Posmoone of men rate, values, throater: Han unbulance desection. Note wheel america and hundreds of other spelicutions. Wrote for Carding F-11-11-1 with data on Beltimore New York: Montreal Melbaster



SE OUR EDHOUT Almost Derived Season Stere Pan-Paul's Andronium, Les Atterior

Lockheed 1649A Super Constellation Wing & Control

Surfaces Acres system, MACA designation ... Sure 0013 meditant 1.826 sa. 10 348.0

Book should

CONTROL SUSPACES Angeler deflector

443.6 mg Ft Aree 125.5 14 . . . Augules dellertin . Right 30 den

He olotte have been deviced se-Maccont of the plants on the its board sections is 7178-10 (7081) size-

Conventional type extraded members are seed to stiller the oper web. Executally, those types of wine after

correction of the rh case to the ship

this KEY to lower assembly costs

There are now concentration for extress nearthly soul

7. Con he serviced in field without 2. Provide Higher stress oflowable per 8. Require on special threads spece required.

\$, Are simple to install and mesove. wade organization. S. Afford comiderable reduction in

Fasteners, Inc. New York, New York

According Manufacturing Co. Total Floritor A, Connectical Please send me technical date on KILOX tecors and Stude

AVATION WEEK, Owner 10, 1955



World's first jet tanker-transport test-flights at more than 550 mph

Powered by four Pout & Whitney Aigureft IT-5 turbo-

Her builders describ on Jaco Nickel - a separate



guthous! specife to the fundame to per-

Hydroulic System

secure visibility for hyady off flight.

Chan and an angermal and of your man Court proposating month? Moreover And

AN WEET US AT THE MANDRAY METAL EXPOSITION IN PHEADELPHEA, BOOCH TAXE ANIATION WELK DAMAGE IS, 1955



Whether you're insecuted in the sand, personers mold, or handy pocket manual a consum source of valuable on-the-upb particularly ingerested in the 28 pages of graphs and tables on perion, and "propried" circ-card-expension allow. If no bound manuals in housed. First for our cuts NOW?

AUGMANIA ALLOYS: October showed abouted and i ALCO AND THE MAD. Who there medicates band

HOUSE MANUFACTURES COMPANY 201 Garres Avenue

Revcothene* INSULATED WIRE

because of its actions traplaces, high test midstons, and chanical instruction, Secrebons untilled with a solid procumented for because of the testing of the solid properties. The absence specific yeth soil groups were properties as a solid properties of the solid prope

CHEMICALLY IMERT



Levere CORPORATION OF AMERICA ,

the sistances on the 189G. Prepeller by speed is reduced 5%, which also outs enter.

Given weight of the 169Ax is 156-600 fb., as opposed to 117-80 for the 189G. Takkoth price for each eigenin the 169Ax-Weight Totho Composed 8339 EAU-in 3(40 lbl) as coupand with 5,270 bby in the

USAF Contracts

tracts for \$25,000 and over as released by Air Faces Contracting Offices.

White Progression Air 1986/E FAME 6410.

Bangles Airwell On, Inc., Long Broth, Call \$20-90; released processionals and the second of the contraction part of the contract of the contraction part of the contract of the contract Airwell Ones of the contract of the regard of CARL (PTS 27810.2 \$1220.)

Chemical Electric Co. X-Sar, Board. 2010.
School Avi., Mileschion, Style Stander, M. Schoolson, Style Stander, Style Co. Schoolson, Style Stander, Style Co. Style Stander, Style Co. Style Stander, Style Co. Style Sty

[30] M. Archite (exp., https://www.fix.). Proceedings of the Conference of the Co

The Agents of Revention of Waters.
The Agents of Revention of Reventi

Why intercontinental and transcontinental aircraft depend on Fenwal unit detectors



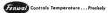


FEOVO DESEROARENTY for Asserted first incrementations of the first first form of the first firs

a. ANY SETAMATON. Shown in Lookingth's transporting the Exper Constitution, their Fewerd and Fan and Cort shan Describes an approximate of at the helping. Fan and cort shan plantant is the need for surregular shown, such fall of the property and periodic maintenance. Funeral surra are in to stay — and stay right.











each downeds advanced technology. And there AMY processation performs grown dec-The highly specialised yet workly diversified activities of some 35 engineering and production.

to distance or while AMF with a world be of proportioner is suspedictely available to year Call soon AME with your problem. See fee has made AMF the "can do" company.



Satellite Research



RMLTANIDUS baseding of four 10 N. Nerbook believes on appearsr minors from Control Mile extends on Skyhooks May Become Space Platforms

ger Process. The creation beneficer

Granul Mills' officials annionate that

Atlantic Sounding Program The 24x-3-million out the translations

Balloon vs. Rockets

Dr. Breacth ann General Mills has

General Malb also supplies Face Ea- tool soovers of austroments and data A staff of common meteorologists

larting for several slow. The torkish sees and the bell of the seast, "paller"



How Convair 340's Solve a Housing Problem for United Air Lines' All-Weather Radar

The nose knows when and equipment in the tree of Emitod's Copysis 360 pow sees through a Kach Piberries Radome. equipped 340's, they naturally turned to Kuch,

The life expectancy of the Kock Radome is many, many times that of any other Radore. This Redome is made possible pely by Kuch's own ex-

W.J. Flanness Convols Panchagler Arent

If you are a plane magaziactures, or if you in-

stell acrosse radar, unvestante Kech's Meelded



A facual susmeth comme deter

union handling agent of the this plaste-

AVAILABLE VIEW OUTS IN 1955



High-Altitude Skull Practice Larger half of 10 to pic conditioned prodob both a beam shell and beam

Warm makes the man true of effects all the interest country relations solvetheless skette here to General 17 to 172 ft, to denotes, cells them "systopher leftous," It was one of which are a new abbade would of your second. Winors conducts online Repla Fear and Navy, scoooling to commune

worshop through which the flight in critical in a record lab

tak in the Cho. Mose publics in long out Sty

they recover and hamality of the at- fight conditions could not be dual Freehigh assistanced source of the

recover (eggs 48,000.82,000 it). Here,

Hob alriade trabalence, about





loss's alterade-s 2% error at 200,000

Control Mally takes make precent over

Sefety Previsions

PLASTIC SEEN become Skylmer before as Control Milk, employer fill but with believe

To keep a hilliom abilt comunity

An exercise device, not to operate at

AVIATION WEIK, Garden 15, 1555

Far-Sighted Mr. Woodward



"Wwwly" Woodward can "see" other pleases are recorded. Woody says, "My kind of all-

> Obselve "Weeds" Westman Cornel Dublier Destric De-







maintenance center

for every increasers from
simple pressure meters

Bach has practicated problems ground principal antitricial Collection Book for principal memorane, socialistics, as reflected. Repeated this form, as reflected. Repeated this form, as reflected to the second problems of the problems of the problems. One of the development of the problems. One of the development of the problems. One of the days approximates to be according to the flower approximate the beautiful for the flower and the flower approximate the beautiful for the flower approximate the flower approxi

 Peace Congress or U. S. and Affect Jamed Forces
 CA, Ucross, Classo 1-2-1-4
 Anthonous, Classo 1-2-1-4
 Anthonous Services for Erigan-Passor, Kellenan, U. S. Googe

Broker Aviation Corporation





\$2,000 of \$10,000 comes described devoted in "frequence" report.

It and vector is where it will probable acceptate excerned the after of using

trescutter which easts radio aguals on radio company frequency.

Cascard M4fs says their have been no collected search the exception of the Salviol. Tragam.

Cascath to Skylocks

Here is how General Mells baseded on from sixed products in the monto factors of Stoleodo. After the 72,594 ft second Sight made as 3935 by Capts A. W. Steviers. and C. S. Andrews in the Revoluce II.

Propaganda Seeder

A new passible-frequency feeters, conclusing a largedy wheel, there shoels now therefore new a version by two Cassand Male registers in the contract of the registers in anymous to a male request from Tree Empire Commenter. The device or instead to a Comment Male plants believed and can drop 450° E. What possible believed the lane. Cutters for 1752.

Note possible believed the lane. Cutters for 1752.

Note possible possible is dealth as in any form to wheelf it in all regularly spoof and the contract of th

The believes, where operate at we obtaine at \$2,000 ft., monotions carry radio transmitted to send back abchafe and looks information to check the network of hadre dopping. As the look is whered, the believe me, and the change is obtained automation into EEC when and where the possibilities were deepped.

...







There's no time lost by the efficient executive to of the B. Compour. Traveling by company place impact a new plant sits do arise away, they there quintly and free of nestacting substituand they get plenty of week done on the may. When they set down at one of more than 600 B. Danker Advances: believe that may may he, by Arietice, fields and lobelessity, tire and hattery survice, landing fees, overright storage and mixed consequency repairs.

The growing curps of harmons from it learning to depend more and more on farmon lines Avaiding













handle smoothing as large as the solveters required.

So they went to bifuce miters when their were told that the believe people had no Low-ledge of photon. Aftength General Will had no fide other on from to have lightly or make hellowing ways went sheaf under a faushfully wally allele Propert Helio younged by the Special Device Centus Office of New Roscoth.

Big Bags

These is now and weight comparison of the time begin by Indianous weight in the form weight in the world. In the world, In the world is the world in the world in the world in the STAR OF PERIOD AND IN THE WORLD AND IN THE WORLD

off of the opposition for instruments and the two-same trans, noted require 10 before or 200,000 on the opposition to the opposition of th

recognition to 500 ft. the best and for Spidors II.

Consult Mide secretaris below that Feel and III.

Consult Mide secretaris below that secretaris are secretaristic consultation and secretaristic consultation of specific field in the secretaristic consultation and secretaristic consultation and secretaristic field in the secretaristic field



That's why
ALL-ANGL Barry mounts
are used in
MARTIN'S MATADOR
Under the considers shock of
secto-boosted sera-length inlevel,
we delay finite processors, and



Equally effection in every fields attitude. All-ANNG, recomm parest builthead amounting that saves with open in this dendly weaper. And the same and the same shades to the Message with the same shades to the Message with the same shades the same year bare Bury's new ALL-ANGL instance can list year head to shade and the same shade message problems. Data sheet M-9 given mechanical and dynamic superioristics. For spiritle recom-



BASE COMET CHECK AT 25 AND AN IN HIGHARDON, GROUNDSTANDING CONTINUES, CHECK NAMES RECORDED OF CHECK TOO, AND A STANDARD THE CHECK TOO, AND A STANDARD AND A STANDARD CHECK TOO AND A STANDARD THE CHECK TOO AND A STANDARD



"Window into the Future"-Soviet Style The parties recommend on this neight according of an archite gravity or Machanic Yards," monta Rosson monthly represent

Milemakir researchin Deser right shows only a dealer shield between the steam personal trabuse region and the bright hoggage Engine (upper left) events imperied printing of the number fact for the reador (problem). Separation and automation of facility

LETTERS

SRAC Comment I've connects if you will offer me.

taction described in the winter that detects thank one for an incident the contracts.

Accident Prone

EVERY ELECTRONIC ENGINEER should read this

Westinghouse brochure! The story of the BALTIMORE DIVISIONS... AIR ARM and ELECTRONICS-and the role of the electronic engineer.



In the heartiful Cheuneake Bay Canital, 198 from New York and 99



AT COMPANY EXPENSE

MAIL THE COUPON TODAY!

Please forward at inner a conv. of year broadway. . . . "Gates

Coy Zone Bate

The chart than the statements of the chart of scattle is become been discussed to the chart of scattle is become a statement of the chart of the cha



Now there's see need to resent on continued and there's a seed to the seed of the seed of

Aircraft Radio Corporation

Aircraft Radio Corporation

Good Storley - 900,000 to 10 years and 10 to 1

To separate word in internant approaches, we shall be internant approaches, a well for the profits of the Profit in the Profit i

NATA and Industry

I have another hood used of your beau from the property of the

AVAIDEN WILL DANN 10, 1933





Glendale, Calif •New York City •Washington, D C •Tokyo, Japan San Francisco, Calif •The Hague, Holland •Bangkok, Thailand

AMERICA'S PIONETE DISTRIBUTORS AND EXPORTERS OF APPONAUTICAL SUPPLIES

AVIATION WEEK

Brings A Unique. Long-Needed Publishing Service to the Arietion Industry

Newspher 20, 1965, or o'kinggroup applied authorize demanding a constant flow of products and maintainly framusefulness, placed deverty onto the basels of some *17,000 course percentil-mon who make up mordon's real burme selection ... in the seductry rooff, in the Air Force,

All-meliaryr integs of muniformers of seconstical sod alled products, sectionalized for maximum polar under ax cour heatings Alecreit, Minder, Aviantes, Separring Groups, Nuclear Power Systems, Addison and Aleports. catory for all products. In addition, advartagements and



formation probble to the eviction industry today.







Be note your complete line of products and salvious is economical and resultful use of the GUIOR. Cull have Bend to the book book of buying information. Special decounts are offered for multipage and catalog-type adgladly help you plus your advertising to make the most then \$3,000 Current weekly print order accords \$7,000.



Saled Std. Std. Std. Std., Std. Std., Std. Std., Std. States S. S. A. Saled St. Storage St. States St. Std., Std. Std., Std. Std., Std. Std., Std.

MeGrann-SMI Publishing Company, Soc., 358 West wind Street, New York St. M. Y., 11th Abstract Str. Office Adjusts 2, Co., 111 Hode

AVIONICS



Airlines vs. Meliton

New Handbook to Guide Design Of Airlines' Avionics Equipment

elthen and the wilden we prepared

of dealing with the problem on a deduce. The surbane feel plan more mad usual

Arrid edited consequents and coint

valuation. In the new or series can



... some people don't

At first places form do look charger but that's not

customers. Meissenson circuit braken ended this Corporary 2 seeded maximum protestion with

also had to have ignmediate restoration of service following a fault time was money for their customers All these emplifications were fulfilled by Heinemore bay close to fuses. Moreover, by ourshimms functions in a















... dependable because it's hermetically-sealed by ELECTRO-SNAP

There can be no executack hereand there isn't with this Electro-Soup Hermatically - Scaled Limit Switch to give the seawer. It's siways on the inb-regardless of the environment! Sudden changes of scripentare or pressure have no effect on the switch's operation be-

evisch can't facuse become all moistern is under our Hermatic author der taungries, mir offertreet ted company temperatures (-100° F. so + 250° F.). The switch even union function der en un formation on the Electro-Susp far nicenfr toe. For year requirements.

codecustion locide the case the ELECTRO-SNAP SWITCH AND MFG. CO. The Leading Day of Homesteelly-Seeled 1975 W. Lett. 11. 9 191019 14. 15.

ANATION WEEK, Quider 10, 1100

ricker component usually a much exect of loss of other prosperation III copylation recessive the weight and cost confid consideration must be given in a solud sub-considers may be solved in

fix most devotes the kinds and

. Vid on extra take story or not a country the use of conveyable enhances: cultipe) 400 ups sources. This above latter necessary saling in order to road blief, such as IF members, respected





except the case of non-commonwell and

Deadly Efficient

Power and Speed

HARTWELL Dan James pro-

"Flori Lank Deige Steelelin"

9035 Venice Begleverd

exact afted to depend uses must. With a good soldered connec-

*Lock of subspec approval need not. Aviantics and Connectition

to their cal size constraints. Other two exercit, worsely the lest even-

MAIL COUPON

wares wapping component size each . The substonship between the quite

Novy to Test TV

As Airport Monitor

Three TV expens, lected slong

Main Reference Code For Tocon Is East

creer is percet VORs) Statul as



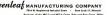
Treenleaf PRESSURE OPERATED COMPUTERS to solve simultaneous equations

> percent resilies servings of up to 90% in our and weight. They are developed, designed and manufactured to latest reference specifications.

or 'phone Gerealest today.







enticl Pressure Mech Heters, Air Saved Indicators, Computers, Switches At Crasslard Plast No. 2 feedbay one contable for everlanc regions



Business-Bound... Pleasure-Bent, They depend on Eastern

...as Eastern depends on Sinclair!

Every year, newy nuthina ail youngars place their confedents in the providal sequence of Endancies Court Ether Pieces. Whether becauses bound on placease bear been people in a tarry know they can depend on Endancies reportation for reliability. And Enterer knows they can depose of Stetical Actuaria Of the religion like behaviors. Note that 155/00/2000 pilled know bear legacy by Endancies cuplem—provided by Mindelle of It is not suspecified; then, that of \$50 of the alcount often und by requer scheduled withints in the U.S. is applied by Schedic Heaves he to be to be read of depended byte.

SINCLAIR AIRCRAFT OILS

Sinclair Refering Company, Aviation Sales, 600 Fifth Avenue, New York 20, N.Y.



VDEDIENCE give you the Finest Investment Castinas

preferency as well as economy.

Describ upon Australia's greater skill, venerably and experi

Assessary address belowant to 10 mm orbit morts. "A free





Components & Devices



esher do se no (six frequency) tax play is ferm, and weight I to G-V Coutoh Inc., 25 Hollywood

wise upgad pots. Unit is resultable in



AVIATION WIRK, Debler 10, 1951





Out of this world engineering . . .

fight by cwd-4957. Much of its account well depend. power transpission engagement, such as the integrals racket spolyomen.



to solve it. Suty-seven years of experience is avail-WESTERN GRAN, P. O. Bex 182. Lyewrood, California.

AVIATION SAFETY



Poor Runway Markings Misled Pilot in Viscount Takeoff Crash

Of the Fubble Browin Date the Cover and Vennet Annak CANCE or h. At approximately 11:50 are on 16th Lengty, 1953, a Bertol European Access

rulation cach of which oppose come

maker revoluteralities to several ser-









WHITE SANCONE SPONGE RANGES new White School Springe Righter buy blue directional for





Dealed space and weight forms complicated the problem of





THE CONNECTICUT HARD RUBBER COMPANY EAST STREET & NEW HAVEN CONNECTICUT

If it's an Aviation Lamp, General Electric makes is

New G-E "Stained-Red" instrument lamps have scratch-proof color

NO MINTE LIGHT CAN ESCAPE TO IMPAIR PROPE DARK ADAPTATION IN OFFICE NEEDS General Flucture assessment a major improvement on said succession haspe for accords. The two new lamps above General Electric glass formula great the deep red colors acquired to materials dark adoption of pilots. End introduct tapps, with Great Biotic, Wint-ter lamp Department, Mon Fish, Chrolind, Ohn.

news and schedol to a two delivered were

Since of London Arpert there are no

Progress Is Our Most Important Product

in the glass!

ANATONI WITH BUILDING NO. 1909

Personal Supplies Supplies



arion meters



for varied applications

Robber Plog Volver will most all your lower body into which a stanties steel plug is precisins lapped. Plug Valves are furnished with mided to bein solve your judivalued desire or

DIS SOUTH VICTORY BLVD. PURLANK, CAUTOLANA

KoMor Co., Kolder, Wassessin, Established 1973



EXTERIOR DEVELOPMENTS (CAMADA) LTD. TORONTO - AVIANGE STREET, LONGO, COLLAND



Three out of four

major trunk airlines throughout the world today are powered by Pratt & Whitney engines.

- ONLY AEROSHELL OIL 100
- is used at Pratt & Whitney for all piston type engine testing.
- For the same reasons that test engineers choose AEROSHELL OIL 100, this lubricent can give
- SHELL OIL COMPANY





SAFET

her boath. The visite of the symutosis per of throbes Argain coloning in several processing and the same of the several coloning in several process and the several period of th

is proporting power to Lindaus angles has in an extramely world new of stable All., and the August. It is a proposed of the strikes of the August. It is a power in the stable of the Lindau Stable of the stable of the stable has in their approximity good the neutron for themse in a their approximity good to the hashing coulder of the new newsy. Moreover, the stable of the stable of the stable of the core of the rate of each manage shortly to the the interestions as in protocol, with an other, energy is, the case of the procision of Research 218. and 170.

con or the sole of each mount should be from the relational as particles with the first electronian as particles with the first electronian as the sole of Forence 12A and 17A for the first electronian as forence 12A and 17A for the first electronian as referenced as a forence of the first electronian as referenced as forence as the first electronian as a particle kill latest authority to with bread to first the propose of manipulation from the first electronian as a first elect

ofe
11. Lighting system.
For the purposes of the report is

green of lighting.

(i) This way highes. There are checkward higher let who for radical constant and ware protect both on the constant and ware protect both on the constant and ware protect to protect the constant to out that the protection on the amount. The higher are 8 eyes from through therether, and made of traggeter or the consent. So for we have were not conceased from takes held to be protected to the conceased from the labels on

there on the separt. The light not the spectra of supply distrations and since claim together at the enemy. See for on the or ways are concerned from highly see in placed at the central of the remove best central most. The lather were as placed the day is usually enough to the process on which is a security model or the lather than the place. The lather is placed the process on which is a possible on which you have been a subject to the following which if the following which is the security of the following which is

ANALYSIS WILK, Qualet 16, 1955

PRECISION COMPONENTS in Production





GYROS—3 Gyes Platform, Zhourd
Rex Broggoring Gyros, Verrord, Prop.
Brogericola, Rais Gyros and Gyros-post and
Brownerical, Seedings, Springerical
Market See



MECHANICAL DEVICES
Goneson, Elizary Social Angular Limited
Historic Rosey Seth, Assant Limited













to Bureau take. They are a feet

or Landau Assent v. subfished from tree

8 GROUND CONTROL SYSTEM

AVIATION WEEK Gender 12, 7515

products or the new control town.

The Cannol Managert Controller (eds.) end: Each our a delicent sale fragatio



can do better...

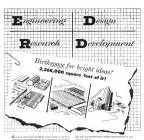
two

Two on the job make any mission review

ARC ISD Grace is powered, butto. wright, CAA certified, and gov engions Lighten the lead with ARC DEIAL orano. Socioficial della seet en respecti.



feet factors + EVI and Well because and Demandes + 10 become and loss Elevelor States . Printed beliefe dealths . Their date dealths . Militia by Good Southern



Soul reason, or for ambienties form write, C. G.

They're doing big things at

GOOD YEAR AIRCRAFT THE TEAM TO TEAM WITH IS AERONAUTICS

· SAFETY nomes the date of the No Controller to

ANATION WEEK OWNER IS 1955

Meet Hu Trol...



all-weather friend to pilots

in Standard C-97, C-115A Artually, voo'll find Hy Trol a beck of a race little way to have around!

Hydrol, Hydro-Ayre's And Shid Smik

DSD, 1980.

hytrol

overy nimbers that needs

NEW LOOK" in JET VTO Plane Design



Another Example of How BUILDS BETTER

The development of a chaffenging new concept most difficult jobs, and has conceived and proresearch and development on the severelt... the

operal abilities in all phases of design and production of printed aircraft, drone missiles,

Eurlaners looking for a challenging future well find outstanding opportunities of Russi.

_				
1	PROFESSOR STATEMENT OF THE PERSON NAMED IN COLUMN NAMED IN COL	RYAN:	per or entrapers	754
-	9007000 078700	AERONAUTICAL COMPANY	A DOMESTICAL COLUMNS OF THE PERSON NAMED IN COLUMNS OF THE PER	-45

found to real known by the lest two letters - FASTENER PROBLEM

special by Bellin, Rowmon Arrens and

23. Shotly also the Capters Write in

has 182424 for temperatures to 200° f



Strong, self-locking threads for tapped holes in soft metals

the leasure rad rates looking color. For service between \$50° and \$50° I



-----MAIL COUPON FOR DESIGN INFORMATION

CHOOSE YOUR 20 SERVO



These high performance 400 cycle servos osafarm discensionally with Bu Ord specs in many maids. Greater efficiency, minimum air cam and extremely high torona-to-inerta ratio





· SAFETY

the hobber mouton for Recover 159.

and Tower or he named it and recorded this

As befre ...

electrical pressure transmittet



Booled stran gage contraction PERAME HOSE Corner on for culture Fig. As were an Francis Canadasan,





entrance, and which is far less vulnerable to distance or operational flaters than other methods of notary power transmission and

Complex young flexible shalls wherever power or control has to be transmitted burnton two points whether it be just a few suches or distributes up to 50 feet or more. L cathing heats \$.5.White's experience 3.8 When engineers are working clouds with

Information

tor veu... Bulletin 5704 has been information and data

* SAFETY

AND RESPONSELITY FOR THE ACCESSAT

c support.
I will complex each of these possibilities

AVIATION WEEK Grower 12, 1955



PROBLEM: GRAVITY

For part of the work in advanced design at Martin.

created exceptional opportunities at Martin on propdream!... If you are see of the many creative engaphyralics - which includes the establishment of an to static, non-creative jobs - colling zero, visibility





BRING YOUR FUTURE UP TO DATE Jein the young men new working in one of the newest most modern suided missile plents in the U. S. Locoted in the Appelachien range, Bristol, Tennessee, the Sperry Forregut Company offers qualified person-

nel excellent opportunities in the following destifications

* RELIABILITY



S C BERRY

MECHANICAL **OFLECTRICAL** ENGINEERS EMCIMEEDO

O DESIGNERS & ENGINEERS DRAFTSMEN

FNGINEERS **EMCINIEED ACVETEME** PUBLICATIONS ENGINEERS ENGINEERS

STOOL DESIGN BINSPECTION ENGINEERS METHODS (All Classe) **FNGINFFRS**

LIBERAL EMPLOYEE RENEFITS

METHODS

SPERRY FARRAGUT COMPANY DIVISION OF SPERSY SAND COSPOSATION BRISTOL, TENNESSEE

. SAFETY had they been up about there were surrous

it difficult to believe that he could have

If could, when he new on ton our below.

I do not fail, however, that in the m

O-ring leaks?





... then call in your Parker field engineer for help

ures? Nibbled, worn, burnered. leaking like a signe? Whether sign or compound, it's nime to call a Parker representative. Parker field angineers are trained trouble shooters. There

strafe spelicipes. are other make. You'll find that mobiled of superior compounds.

zeralt of years of experimentation sens make sure that all rured for free technical bulleting about

The Perform Applicance Co... 17323 Earth Ave. Developed 12, Olivo 17525 Buckel Ave., Circuland 13, Ohm-Faces sand the believing bullsteen



execute orbid sevelar, 4th con-

ANATION WEEK GOVERN TR. 1955

We bridge the Oceans...



Service Counts-at Canadair

Wherever Canadair aircraft fly, you will find Canadair field server representatives. Their unique record for prompt, efficient servicing of Canadair Salmu operature in NATO air force; in travel of these new in action.

At present, more than 200 technically trained personnel are providing service on some 2000 Coundair accord located in Europe, Aus and Neeth America. Mobile training units have been provided to sustruct ground and flight personnel. Overhall and expert austrature and according prevention engineers.

are available to the outcomer as required.

In service and in the rapid availability of parts and equipment throughout the world, Canadiar has literally elizanated ocean barriers...another



CHALLE MONTHAL CANADA

P GHITER MONTHEAL CANADA

· SAFETY

petial to remember the sentence of an international facts that the selection and the first control for Control Tweet or a detailed plan the Academic Part of the Academic Part of

and Fare Office Equation come, at a constant a tribinated of Office Engineering and the Section of the Section

commonle by two Part College States to an experiment of the property of the pr

No Main to membrane what protections to be considered for a many collection of the considered for a many collection and considered for the many collection and considered for all the many collections and considered for a many collections and considered for all the many collections and considered for a many collections and considered for a many collections and considered for any official form and the many collections and the many collections are many collections and the many collections and the many collections are many collections and the many collections and the many collections are many collections and the many collections and the many collections are many collections and the many collections and the many collections are many collect

part I Common Au C. D. E. F. G.

The Common Au C. D. E. F. G.

The Common Au C. D. E. F. G.

The Common Au C. D. C. E. G.

The Common Au C. D. C. C.

The Common Au C. D. C.

The Common Au C

type I/ Clam A 7 elem/100 ft.

MIL-W-59086 - Copper Constoring



Thermo Electric Co., Inc.



Advanced research at Exceletel in the sentimentary and effects of for making servel respectives who have weeked in this wast field. C-123 Provider, are new preparing transports, edvance reconsists aircraft, fathers and quiedes, Experienced accodresprinters with VSP harkenged will find their challenging

new morrows in creation, manufactur elements in which to office. Investigate these forward looking, pace-setting developments, If your experience and originality are advance Fairchild's

Irrestizate, tax, the superb condition for living and weeking led Valley Farehild often outstanding onemany hearing salary plant . . and remove . . . brabb bountakening and Send a detailed resume of year experience to Waker Tyrion. Clark Engineer, All correspondence will be loss in printed

When the farmer



the Contribution, which had been writed

· SAFETY

I think I should forther add that the

AVIATION WITH OUNSE IS, 1955



Baeing engineers work with stimulating associates

May economic Adh on removed In no other industry does the engineer

A reacts of symplem problems and

ux bomber, and the 3-47 for bombo.

ACRE G. SMIDERS, SAR Enginer -- Personal Asses and further belongs to the my studyon. It are interested in the advantage of a contra-Date of Tedd



SSATTLE, NAME AND ADDRESS OF THE PARTY AND ADD



PROVEN most accurate of all popular omnis by government test

ILLUTCO OMNIGATOR



MATIONAL ASSOCIATIONAL CORP.

FOR INSURED ACCURACY OF AIRCRAFT TEMPERATURE INDICATORS

use the LEWIS 81T26 THERMOMETER TESTER

TESTING IRON-CONSTANTAN, COPPER-CONSTANTAN OF CHEOMEL-AUTHER THE EMOCOUPLE INDICATORS AND ICAL RESISTANCE THERMOMETERS CAPITAL TO

TOR USE IN THE TEST LABORATORY . . . OR IN THE AIRCRAFT LEWIS ENGINEERING COMPANY ugatuck.connecticu:

AVIATION WEEK, Dunier 10, 1913



LOW COST-HIGH ACCURACY

- . Check ony dimension or enumetrical relationship
- · Control feed of mechine tools precisely * Telerence range .100"--.0001"
- Amalification rense 62.5—5000 a Antitroble with ear oir ness
- e Two lengths, 155" and 156"
- a Only one maying part GASE DIVISION DEPT IS THE SMETTED CORPORATION



Seed Me Physiet Engineering Date YOUR PLUNJET

ENGINEERING DATA

New higher Guarantees on



CRAMMITTEE AN			OSAN P					2014	-96	1	dram deserve	-	-	Mp	MAN	KAL I	***	9115	+21	281	***
Ann between two											Total Section have										
10 h	bey below	ing lan	Day.	ing bliss	2	\simeq	Sec.	im.	Dec Text		31.9	,	ini bow	tre tox.	Shell Shell	log- blut	in it	Test	les bow	100	SM
Life and arrive beautiful on the 1 transmit	m 62	43	42	33	30	33		6.8	4.0	1.	Lef and and Length in h	Disease	. "			55	25	55	ж	**	**
Lif and prote health pay 1 little air	0	43	62	13	33	35	15.3	5.8	2.0	1		i law etc		65	63	35	55	55	14+	40	6.0
Ger Lit to 2017an	0	43	0	33	33	13	**	3.8	5.0	,	New Labor	N Ind	e o	15	63	35	55	15	1.0	59	51
Ow Like hill has	65	63	α	33	22	33	**	31	10	4		on high	. 10	42	63	53	55	35	**	51	51
des 16 to Lot and. Gently as to 2 to me and	m R	39	56	50	15	12	7.8	5.0		2		List Inc. O terminal	. 64	44	41	33	33	10	7.0	4.0	41
the 16th Locast	18	56	59	55	38	54	7.6	2.5	10	4		Like and Street with		44	G	33	33	33	7.0	4.0	
ow has nothing	**	58	55	51	58	99	51	24	20	P		20% but 31 one wo		49		12	74	14	1.4	4.0	
5 to 144 to 174 but	. 01	38	53	52	50	30	5.8	2.4	10	ŀ١	Ser 244.9	156 int	. 42	66	10	15	82.	11	**	4.0	5.8

Kaiser Aluminum hand forgings!

surrow the bearing of properties. These techniques suckeds

New-new "Special Product" group offers highest property values and quality available in the industry today?

"Special Product" hand forgogs have guaranteed minfor Knizer Abenirum standard and "Special Product" hand

Stdr. Chosen II. Bloom, Escaper Office, Know Phic. Send for jetyrmatics fidder thring complete specifications

For the new standard in hand forgings . . . think of Kaiser Aliminim

	THE SHAPE AND IN	KANTON MUNICIPAL CHANGANY RANGE FROM THE TOTAL CO.								П		
01	Tre benefite.	inter inter	E.	E	32	EL.	H.C	ing.	in.		0.	. :
		35		19	64	0	65		4.9		٨	14.5
5	35 ordinate Leathern 3 tons on	, 75 In	15	76	40	63	63		44		£	
5	dear his to his less Langille on his his little on	73		64	41	68	+1		51		3	Per
4	ther list to between Loopington I dissert		11	es	40	29	39	2.6		11	4	lw tes
5		m ⁷⁵		64	61	26	31		34		1	
4.	Bow 36 to 144 bull Langer carry from ele	. 75	40	66	39	17	33		2.8	1.0	ŀ	10

	Tris between the										
			12	2	2	17	1	hear.	2	2	
	Ni estudie exilizate l'impresid		17	TI	42	63	63	21.0	1.0	4.0	
	(of self-sede Larger core is time with		12	72	63	63	43	28.6			
	per CR to 3d heat Laught as in 5 theory of		74	78	63	a	60		44		
	Per Life to 3d less Laught etw 3 films widt			36	43	48	49	9.0	2.0	**	
	Ber Rd in \$44 ket. Length on to 3 there with		32		43	48	28	4.3	41	21	
	ther 14 to \$44 high Smalls over 2 hours with	PK	72	40	а	10	26		4.6		
	for the triple to:	12	a	100	26	27	м	5.8	48	5.9	
	the 144 to 174 tot	75	44	66	54	15	94	51	31	10	



SAFETY

and 3 ** 4 specialists for the ex of a shade man area of an organization at mile for the man area of an organization at mile for the The crop year, hereon and unit for the seminated at miles the the propose of a first an organization at the conline at the contract of the co

attractional of non-species and by whole for Contenting Mean will consume as well of superability of manipates and work of superability of manipates and superability of the superability of superability of the superability of Mean State of the superability of sup

was not on a sense. QCM make our analysis and the pole on an shorehold to send the pole on an shorehold to the pole of the pol

C. Then is a faither Demonstration of C. Then is a faither Demonstration Conf. desires of constead to Perform the Conf. desires of constead to Perform the Conf. desires of the Conf. desires of the Conf. desired to the Conf. of the Conf. of

To the one engineer.
In 100 who is planning to make a change;

The state of the sta

nearwarisend propeition systems fore at Paincislé, Research ipocadine, Design Engineers,

the advantages of some their swa their realised in a new plant and their realised in a new plant and their realised in a new plant and their realised in their section of the newest and next modern

equipment and facilities required for advanted engineering. Your recome or visit will recove our comeda to present attention and response.

FAIRCHILD

Engine Divisi



at CONVAIR -- Fort Worth Process is home made in the Applied Nucleus Tield at CONVAIR - Fort Worth - in market

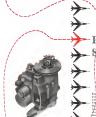
CONVAIR'S Nuclear Program offers highly sewarding

For further details write M. L. TAYLOR CONVAIR Engineering Prospered Dept. FR.



a CASSTV

45. Quotano of canaton are robust each delical; both to fast and or law and





faster, safer maneuverability

Lond and Harled are passeers in the design



retory origin accombly steering urri, and



Method Soles and Sortin by Method Soles Soles Soles Soles Shoulds 4, California 969 EAST SECOND STREET - POMONA, CALIFORNIA

SEARCHLIGHT SECTION

SUSPESS DESCRIPTIONS

Immediate Delivery MI - M - M - M - M R2000 R1340 R985 ENGINE WORKS



Martenance Co.

2 C-46F Type Aircraft Executive C-47

Astronomic Approach Couples & Alls tade County - Good Bridgs - Abrush Data - Busing Dom - Two Jose Sam EXTER DESIGN Price \$135,006.00

Harm Tomo 61157 -- Samuer 72161 B-58 Twin Bonanza

HMHSHAL ATLANTIC AVIATION CORP **OPPORTURITIES** LOCKNEED LODESTAR SEARCHLIGHT SECTION OF

WI CLAYFON LEWON Security Vo. AVIATION WEEK Take a Heading for Reading FOR THE BEST MAINTENANCE OVERHAUL - NODIFICATION - INSTALL ATION READING AVIATION SERVICE, INC.

FOR SALE or LEASE

Immediate Possession 47.000 SO FT LOCATED ON MAJOR AIRPORT

Here's on unusual plant Incested in New James on hub of East's morer markets. that course he heat for efficoast assession at Impost

possible cost #MODERN, ALL STEEL 240v280 *THREE POST CLIAR-SHAN BATS, EACH 22,000 SQ FT #30.FT WIDE BOOKS +DESIGNED FOR EFFICIENT

LOW-COST OPERATION AND *LOCATED IN THE HEART OF ANTATION LABOR BOOK #50 FF WIDE BIGHT-OF-WAYS DIRECTLY UP TO EXISTING

US NAVY LABORATORY AS SURE MAINTENANCE OF EX-CERTIONAL EACH ITIES +CAN BE CUSTOM FINISHED TO MEET ANY REDUIRE AVAST CLEAR-SPAN BAYS FOR

STRAIGHT-LINE PROBUC-*EXCEPTIONAL EXPANSION *UNUSUALLY FAVORABLE

77 River St. * Hebeken, N. J.

** * ** ** ** **

SUPER. 92 DC-3 receiv in October

with year chairs of engines Proce & Whitney \$1830.75, 46, 82000 Wester 9.1570.56 -72 tooks or College code, any this manuales. committe \$500 how crober, boarded current intense, big wanteur, 200 mph.

Custom 18 Conversion

nim at a street, was expressed underly as er fellets. While exercedes is as propers on your steen, ray mon also have, naturalise to your own Make, radioon, viegs, electronics, cades, and

respector red expedience one do for your an



CUSTOM DIES Immediately Available

AIRCRAFT OF ALERS

PERSONAL and EDECUTIVE AIRCRAFT
for -- Set -- Trade -- Assess

GRAUBART AVIATION

Remmert-Werner, inc. PEnkine 1-2260

WANTED AIRDI ANES WANTED Peril III Brayman, Spring, 180's 180's 180's Ages Communicates, Twin Springs 180's Ages Communicates, Twin Springs was may flustered Street at Dark Yout Aircraft Co.'s Skyrench We Buy DC-3 and C-47

ANIATION MISS Greater 18, 1985

OVERHAIN A REMMERT-WERNER, Inc. Lamber Fall temper have M. com, man, Treate home on OH PERSON RESCHOOLST TOTAL LOSSYMA

477 H. Wildhen, Others, Millery, 4-7199 PARTS & SUPPLIES OXYGEN EQUIPMENT CALLS & SULVELL

PERSONAL CONCERN.



SAFETY
 debalt or negligi

definite or negligence of any party or of my present to the temployment of their party.

My instrument to the above quantities are, the passion which I have an out above, todays.

I The come of the problem was the

Description and the problem was the collision with the houses sell other sphit stackers with other sphit stackers and the stackers and the stackers are the stackers and the stackers and the stackers are stackers as the stackers and the stackers and the stackers are determined by the stackers are stackers as the stackers are stackers

F. RECOSOMENNATIONS

T. It were study impubils that an experience with the property of the pro

Some inter in these Persones conservated and a few and the second content and a few an

and administration of the control of

bors of bad variabley, by which I



FASTER! SAFER! UNITED ADJUSTABLE MAINTENANCE STAND

conden a T by \$1 and ty wheel plate one man, indicated ED, operator, the car with quark raths at macry the six decretor. Attachments manifold the language of management behavior, and materials. Easily positional by Model 104 services many T to T. materianest. Easily positionals by Model 106 service many T to T.

UNITED STEEL & WIRE CO. SATULANT

ARE YOU GOING NUTS
OVER YOUR
BOLT
PROBLEM?

Too don't mad a negic to poly

You don't need a magic larap... ...you need a MIRCRAFT BOLT CORPORATION! Wrote for Complete Descriptive Catalog

CORPORATION
Accordance Control Control

Arm Supply Mily, Co, Den of Corry, Perlicentown is model of question and freedom of the helders of its new-charge risks; central presented by A can figture of the control of the control of the remainly catalithinks in Carvalined. Otto. The Indianous counted married of techcined does not drawn, couples and white could does not drawn, couples and white other of courts, models and inferior test apper describes, models and inferior test approximate.

The first faunt halbettes above viscourity

Spread.

The dist had helbette above viscosity or insystems with the approximately relieve to the spread of the second of the spread of the sp

and action of the system comern, origin contain and sobred tries for all flight applications Qulad representatives and analyses a resulty exhibite upon request to enthropic or specific angineering application problems.

Aero Supply Mfg. Co. Inc., brownsh and transposent Conter, P. O. Oct. 402, Corp., Pa



· SAFETY

suddents a shield remove used very its core particular of a report, the Canada and Arabad and Araba

Control Three but served lines for spapers. Reserved. Lording a staylor and proposed and proposed and proposed and land of particle for the reserve is question. In addition, the proposed is question. In addition, the proposed and the staylor of the staylor of the fine of the staylor consultation of the staylor of the staylor consultation of the staylor of the staylor.

the third and a special state of the second st

this is than no disable whether in all the consummant is should as should sail as should. The source of Grow King shough the stripup he dise assessed of supply one policyly continued to the consistency of the consumnation on the consistency and resemblely confirmed the anniability of the consumion to its large a simple consumtion of the consum-striple of the concerning of the consum-striple of the continuation of the consum-string of the continuation of the consum-striple of the contraction of the contraction of the consum-striple of the contraction of the

St. The find question which I



the lead are in the field of experiosite jet peopoleton. Set your rights sky-high Ar Marquard, yearlibe a creative part of the team that is decomplishing speeds. Althodas. Acceleration... never before dreamed of Lask up..., with Marquaretti.



THE WEST'S LARGEST ACT ENGINE RESEARCH AND DEVELOPMENT CONTEN







The very still by of the USAF Terrical Air Command . . . Its mobility

equipment to provide essenance of elfectiveness when amonds more servines . It Ground Expend equip-TAC "You" to the occasion in protection of our freedom. It Through design, development and manufacture, a self-propertied multi-purpose unit, which combines towing, tenting, sending another starting for all

The If A1 and other type ground support units are now being considered for greater power and reconstitu-

SOLVE THE MORELTY PROFILEN ... FOR ONE







double indemnity



This compact, salt properties, multi-purpose and performs all re-sourcements of lowing testing, se-veling and starting for set associate. # A. C. POWER . . 30 KM. 400 GROSS Subsected 10 FW1 sheet. e D.O. FONER ... 28.5 volta, up to 2250 AMP For spit or oligin his start and servicing

· COMPRESSOR ... As supply up to 2000 per LES O'M 1,000 per PORCE, NAVY AND MARKE PORCE, NAVY AND MARKE UNITS ... Other Medical of Stages and Pauli Revents presed sarenti man'



· SAFETT

regure, needs and her the additional on.

INTERNATIONAL Parachute Flares Will Light Your Way

conducte INTERNATIONAL

PLANE PISTOL Ideal for unminute parachate flores and

Westervälle, Okis



Minusy prices see positiving against the divigent of chilo percent less in Strategic Art Command B-71 Berriers equipped with the new MB-1 Organ Englance, Automate, hologonic operation of deadly straight research a completed animate. This saturate genragations is a concent solve-centered of horself-strengt divivinged as todaysterion with the Aut Force Anno Medical Jahorneers, it is designed in one of the representation of the Automaters, it is designed in one of the representation of the Automaters.

a Mile-) Regulator with the sensor in A-50.

a Mile-) Regulator with dilution is also evallable it series.

If rise rades for complete information.



SOCIAL START, LANCASTRU, N. T.

SOCIAL SOCIETA OFFICE OF START AND MICH. IN T.

SOCIAL SOCIETA OFFICE OF START AND MICH. SINC. START

SOCIAL SOCIETA OFFICE OF START AND MICH. SINC. START

SOCIAL SOCIETA OFFICE OF START AND MICH. SINC. START

SOCIAL SOCIAL START OF START AND MICH. SINC. START

SOCIAL SOCIAL START OF S

SAFETY

out on Berney 24% and down Santine belief dealed that, when the ownlaw belief dealed that, when the owntion of the mediation of the dealed to the control of the second of the stage has been obtained for course of the course of the course of the course and cogness, therefored represent and cogness, therefored represent to a set him at the deposit. Various that is a threety, Lindon Appet to the set of these the course of the local cogness of the course of the course of the course of the course of the set of the course of the

the last transmit in the figure of any states as understand the presentation of the first and the presentation of the presenta

of the Manney, which I have memora soft to each a constrainted their Not and it is to each a constraint. So made it is seen as the sound by their Manney memoral than the sound by their memoral to the their Manney memoral than the sound to the sound their Manney memoral to obtain the sound to be comed whether their to secretic out the good at solution induction to secretic out the good at solution in the sound that the soun

Nonmonthere is Prograph 127 or all correct, Econog at the rate invariant per control per la control per la copy and the per la copy and the per la copy and the Mailler 640. It has no should that the Mailley 62 is otherwise of the rate of the Opportunity when the control per la copy and the per la copy appears in the control per la copy appear in the control per la copy appear in the control per la copy and mailler for doubt the respect to the late of mailler for the copy and the c

A. A. Monzhi R. W. O'Sulivou H. K. Goefen Berry Laksen underek Birt für eingestamten an op in som Freiere hij til moderaten hands ser midstadlig Medastif ner mose sog pilotjacend stämelt ligh Freijenstern finke besspreifen bridge met despriktioners. Kij produktiva discussion of all mining sode and oppose selle han finfic soch II is designed für finetten synnellig all menskall vide terferenders.

NO OBABLISS AIN

WELL PRODUCT GLUCOM



WHEN THE HEAT'S ON!



Trent- Pioneer in Welded Tubing

chemical and physical properties of THENTWELD

taking any se good or better as the weld rune on in the Now, with Tree's new patented Control-Weldow

Contour-Weld

a major development in stainless pipe

the news for standess and high allow pipe and ellow continuous subfigured the bottom of the rises Here's why - Contour Weiding makes use of all the

paid one standers or but allow strip ... rentralled (rent-our shielded upo welding street or shielded and Like most cood (deep, Contour Weldoor seconds resply. Dat until Trent referenced and releast

Walst runns of souths equilable ... becomed also.

Contour-Weighter ranks it possible to produce readily appointed below to accordable could'ty Hostelloy, Sercochen, Secolor, Titaman and 12-

taking outperfurns all others. And recember, it's





Warra's the conventional way of resistant man. County with your of the maker metal show into the pige to form a bood ther a national a difficult to



Trant couldn't reseal general, so they put greetly to work. They finged the pape more closely approaches that of the power metal than any other welded pipe.

STAINLESS STEEL TUBING THE THE OWNER SERVED WAS SHOWN HAVE WHEN PROPERTY OF CHICAGO SEE THOSE OF LANSING



AIR TRANSPORT

convertible wave between Philadel

Traffic Gains Spur New Route Patterns ing Capital's roots structure. The same

CAB leans toward strengthening regional lines; three major cases await decision from Board.

Weshington-The health proceeds *The New York-Pleids Case, in of the sedice reducts appears to be Capital was the surjet water in the

Maior Cases Refers CAR

*The New York-Chevre Core of cylol list weeth, cytoblated Cootal

City, Denter, Solt Lake City and Reno strengtheway of Capital and new com-

Pan American Conter Service

Unfo the pira, which is still reject to Civil Assessable flood natural, the shortly service will be residable to all processors serving at order LaGogadis or

Avre Arcreft supplied modeled CF-100s which now specially designed disgues associated to



AVRO AIRCRAFT LIMITED NAVOS CARRO

Viscount to Bermude acrone the here savgers and added con-

by the approachiles of NWAA BOAC also will appeare a delly New

turn it into a carpir custous curver, part Normal has made a rabbo offer to

Contributed Delta see the two at

Now East Route Asproaches Fasture and National have another for new services the CAB is validely

> Riddle Audines rough the Board to continues of for resentant major class its present exign rooms, and Besent

N American Airlines Loses Right to Name

here. Eshippe to prison the use of the 5th Dutnet summonely upheld a North American Ackness and officialed

Lot week, Indoc James Algor For of Half's Sedmen Use of the same "North American"

One of the slopes and of a number

American Arthurs, it is not puly comepracting from photolit, but it is also should out an ourse out makers," he

Airline Profits Double in First 6 Months from every eneman of \$157,294,000 crossed by feeders and in England had

\$30,500,000 in rosking up the proof

loff. Precepty traffic, in youd, wereded the bells of the beamen with a suffice and easily of \$75 collect for democrate resultates carried a net profit

notes processes expending \$1 bellen, not

so for this year of \$10.5 million king of 1954. At the same time, total arm. center of traffic payers of Federal subthe first half requested in \$600, of held

The two territorial or current beginning decoupancy to the se-Asserts, noted meether \$9,375,000 macs and other access as being as as the first half

Revenues and Profits During First Six Months of 1955 For Scheduled U.S. Carriers Green Percentral 529,739,000 23 1 651,000 (155,000) 5.455.000

*Total number of the European Asse, ablica marries in 43, but since of the 13 deceases make the number becomes able to They are Awarines Andreas Barelli Agreeys, Colonel Addison, Data Addison, Eastern Addison, Managed Andreas Andreas Andreas From World Authors and Dated Address From transform operating domestic privilege only are County, Continuous Nicolana and

far the pasts on Northeast Arbisco.

TWA Loses Move to Bar Rizley

reduce TWA ter stury. CAB As-ICAO Group Proposes Air Traffic Revisions

The Board pourts out that TWA cidn't more for depublication and 'TWA might have been oleving it both was " said the Board, "or reight sized field sale. The Confession CAB she rejected a TWA mount that Charman Raily be described

nered out under VFR without one

AAL Crash Blamed On Crow's Instinction The cush of so Austress Addings field instruments and a monthly we The CAS errort found that the the Civil Assessation Administration assessed VOR entrement assessed

Large Scopuler Care record respected to worse additional enderor from All Agen-

Loan Goes to Ethiopia loss been the Expert report Brek of The money will be used by Ethanea to construct my fields and market Efficeres Air Lines, a state corporal Nagels, Debeuts, Adm and Berest

\$24 Million Aviation

urbor also escutes external curaanomorphise w Allicals become of

CAB ORDERS Central Aldress on paymentum by army Shower Deason Tev. in as intersociate

turene in the Texas Collection investigate Mak Arrest as exception to con-Nativille Tree, and Paratrile Make, or size after a tend decision in the an Bregit

AFFROVED Aprenests between Assesser-Address

bestern for Lines route consolidation conadopted at the Waran Convention in Frontier School find mail sale food of

Several mana recorded at a frequency networked and another property Sept. 30

Surface-Mail-By-Air

Rates To Be Extended

the machines tautifled on all of the The rates paid the salmes for bank Other corners may or testing the

SHORTLINES

nonel Author Nativert Adires. and Rabble Ashney Carrier Liability

Increased to \$16.582

fackt will be received to \$10.502, doz. an air pertocal agned by a conference

Small appropriat with Harton da

Airlines Use Music

To Drown Engine Noise

maht dollers per soorth for cuch no

► Trace World Artises has started week on its \$15 railion Adoptic notice sled for completion by and 1997 combination towart-first class Sin's



The Smith Between, Stebirk love page turboury trappert, was seed to de Price



Hem Practices - the Cumberland Threshold through which the westward OPMENT CENTER transcrit, esperancio

New Frontiers - her your own protes-

ARO, Incorporated, operating contractor for AFDC, has a number of interesting You'll only wear work . . and only living in Temperate's picturesure, report land, Lee C. Relley, &t . Box 162, Tulisbana

Gas Turbine Engineers

SOUTHERN CALLEDONIA

+ OFFICE SPECIALISTS A PURFAMENTAL PARAMETERS

Steeled for responsible pos-

DALE A. COOR. SEPT. A-100



Your Inquiries to Advertisers Will Here Special Volum . . . the real-the advantage and the

SCIENTISTS & ENGINEERS

Now Republic Greatly Expands its



Adding 425,000 sq. ft. of Floor Space

The large, mesters building partiest above with 415,000 square fast.



stretural and mechanical decur



REPUBLIC AVIATION PARAMODERS L. L. N. Y.



offers challenging, percenting appor-Georgiag Engineer and Designer to able to summer the sweets hole for

est coeffdence.

Mechanical

Engineers

offen oppositelles in the

AC SPARK PLUG + THE ELECTRONICS DIVISION GENERAL MOTORS CORPORATION MILWAUKEE 2. WISCONSIN

is YOUR FUTURE as promising as a HELICOPTER'S?

We think the fature of the baltourier to virtually sellected. When not make your betwee lost on SIEGRSEY, ploneer belicopter mezudacturer. rends . . .

WEIGHTS ENGINEERS STRESS ANALYST ENGINEERS AIREPANE PRIIGH ENGINEERS

growing beliegeter field. Expanding military and commercial requirements are a challenge to skilled man offer excellent exceptanties to bother your Covinsors whose abilities or experience quality them for these responsible positions will enjoy a wellreproduct conser with a secure belong and more selfs for themselves and their families

Sand a complete recover to E. L. Autre, Processed Descriptors SIKORSKY AIRCRAFT



WHERE BUT AT RCA

AN ELECTRONICS ENGINEER

SOLVE SUCH WIDELY VARIED

AVIATION ELECTRONICS PROBLEMS?



HIJOSHINEL F-717 6-11 G-11 6-124

York have to Greater Pallethiptic or Settle sees.

PRECISION ROWRING-FIRE CONTROL On the high level of orbitaments you orn progress

RADIO CORPORATION or AMERICA

ENGINEERING PRODUCTS DIVISION

ANIATION WEEK, CAPITAL TO, 1911

COOK RESEARCH LABORATORIES THE FIELD OF RESEARCH OFFERS Satisfying CAREERS

We maketale out of the exing york of a GREWING COM-



ING SALARIES - ent DECEL-Mr. D. M. Hellider

> + \$100 N. Herthalle Ave. 2700 N. Seetiport Ant., Change, Illinois

Sharpled and Manhapiral Francisco and Manhapiran State 1997 Business flying growth creates need

for Aircraft Designers at Cessna

For a brighter tuture join successful Gesena

WRITE, Como Avereje Company, Dr.M. AWP-22, Wiches

THE APPROX PRESIDES CARRAGE

RESEARCH and ARROWING WARRING DEDICTOR

APPLIES PRESICS LARGERTY

Marc MARKS BUILDS

WIND TURNEL TISTS AND RESEARCH AND ANALYSIS IN ARROSTMANIC STABILITY &

achievements: In career terms, Lockbood's Design artitude and

equily simifcing.

Hader Lockhood's Design philosophy, the Design Engineer directified program mean: Many scope for your abdey with so excer pointed in motion

is being made here

at Lockheed in California

Design history

They are purisagues in so expanding program that covers versally every phase of Aeronasteal Deam. 46 maps pro-There are sound remons for these Design

Lookbord offers cockerers: Bravesard salary and overtime benefits; processes travel and to Lockheed at virtually no expense, a chance to enjoy life in

A report on "Materiansace Design of High Speed Agrand?" manufacturing facures is available to inscressed expresen-

E. W. Dos Lourers, Dept. D05-3-10 LOCKHEED

AIRCRAFT CORPORATION - GALIFORNIA BIVISION SUPPLIES CALIFORNIA

CORPORATION Has concernative for MECHANICAL ENGINEERS ELECTRICAL ENGINEERS

responses of electro-mechanical sendonnel in seeding Photographic sequence systems

ARRAMS INSTRUMENT CORPORATION

464 S. Shovemen Street smelity control SYSTEMS ENGINEERING companent deploy Aven MANAGEMENT production entercering

DEVELOPMENT market of their is you should depoin a EATTHER PILE ENGINEERING

 CHIEF ENGINEER Consists reconsistive our all accuserus activities inclution on search and development. Supposed engineering energies with sound adjectional background theroughly femiliar with electro-mechanical

retaining equipment and systems to aircreft accessories links. possed one process in different accessories from in El, talging acceptable profess about process in a median of second bank that commerce on which confidence, bendeling under desired, in ADDROVED -

FLIGHT ENGINEERS therefore exactor for Sale andrew de-ation interested Sale color Play Sell. Sant, with PAN AMERICAN WIRLD ARWAYS

And Cital Right England, Lett Aliquet Browner, Space (\$175 4.003)

ENGINEER

SALES-ENGINEER

POLYECTER RESINS

Chemical Process Company Bax 825, Redwood City, Colif.

Co-Pilot Mechanic

Sales Engineers Worked - Excellent rapp

SELLING OPPOSITUATIVES OFFERIO

erette Brakk TV 197 10 1 1 1 1 1 1

MILLING OFFORTUNITIES WANTED Established Expressibilities Stopies State Attends Surgame Salatadem State others for heavy along h main branched sheet much before and amendment light-mainly action by the light was

THE REAL PROPERTY AND PARTY OF THE PARTY OF A STATE OF THE PARTY. We are not proved at the purpose of the purpose

The course of the contract of the second of the course of

Counties Engineers

OPPORTUNITY

a Asso.Thermedenanies

· Internal Accodynamics

. See Jet and Turbo Jet Test · Transports and Superpanio Design and Test Occastions · Turbine and Compresser

Seedow & Porcel Inc in scapped both nanopally and internationally creened Sable. The world nuclear of

Han which turnishes insurance

prompt alireton and paply Finance

SWEEDBIRD & PARCEL Inc.

EMPLOYMENT OPPORTUNITIES

DUTSTANDING SEEKING THE CHALLENGING PROJECTS IN ENGINEERING

GUIDED MISSILE DESIGN DESIGN ENGINEERS are of rard assembled concentration or Consum to

CONVAIR offers you as structurery, explorative, exercising expressing ties and personal advantage expellent

Geography and allowances to operators who are accessed. Write or

CONVAIR A Division of General Dynamics Contonation

SAN DIEGO, CALIFORNIA CMAG. FORE CAN DEGG, levely, many cay on the cost of Southern



North American Aviation Has Unequalled Conortunities for ELECTRONIC. ELECTRICAL. INSTRUMENTATION ENGINEERS and PHYSICISTS

North American often was make neckets, privated families and expensed appointing . . . where you can become a key litrare in receptch, device and testing of the electronic and electromechanical components that will form the "houjes" for alcherne vehicles of tomassow. bloom deliver them through to completion. You may only recognition for your efforts in the form

of Patent Awards and Supposition Awards. SPECIAL OPPORTUNITIES

BLECTURE MOTOR DESIGN GROUP, A new corns to new ENGINEERING RESCURCE LANDRATORY: New Yorkston PLIGHT CONTROLS GROWN A penty formed section of

NORTH AMERICAN AVIATION, INC.

ADVERTISERS IN THIS ISSUE - Now! ... the NEW

AVIATION WEEK-OCTOBER 10, 1955

allies delices him & store in-

plant a living of local present CHALL STATE OF

editorial middle me Service of Street or other

See Carried Laboratory AVIATION WEEK, Govern 10, 1351

ACTOR PROPERTY OF THE PARTY OF PARTY BY DESCRIPTION OF PROPERTY PARTY OF THE PARTY OF TH MATERIAL PROPERTY AND ADDRESS OF THE ASSESSMENT CONTRACT OF THE PARTY AND SERVICIONAL A PARTICIPATION OF office and control to district to make NASARITANA TOTAL STATE OF AN PART OF THE PARTY OF

T Side Vogens Co. that cathering to be a reflect CONSTRUCTOR OF COUNTY OF STREET SECULOR SELECTION NO. 10 THE SHAPPER SHAPPER & SHAPP THE PERSON NAMED IN

wat led the street will



DIAGONAL ROSINSON-WIRE TWISTER

oler amountly has \$21.50

BALPH C. ROBINSON CO. Bouddell By Jacobson 13 Colf. FLECTRONICS Research Engineers

company in the west development visibe set plafes capal:

Marrier of Bermanita rang will be arranged for applified

EDITORIAL

A series of recent public blists by relative and card toward every on the endough of the mount air traffic creeted system and the efforts toward fedure are ton planers are further endicated of the experiencon in agrang. These blast over delivered at the recoder of the Military for Transport Spaces which consists a weakle fleet of second over the domestic Lines rules, consultant to the Art National and Dereference Read and an extensionly revolve to the

cased setboots on 6st subsect

Entere or Bernand A week later Cost Associates Administrator Fred Lee made a speech to business secret operators as Detroit reference the CAA men't line on the traffic onetrol problem. The RTCA black and Lee's seeeth of the military and cost determination with the CAA's

Find Lee spoke glowagh of a tenvest "grand-tesle" CAA already effect arred at meeting the air traffic Cores South warmed blantly that the traffic one. tol upblem a scate already and the present arms, on

Find Let said CAA must propose to used the problems General South poseted out that the six are a here that count be interrated into the correct or tuffe conacresses observing by CAA rought "prove to be a stamble rag block to the minstry" and theattle forme growfs.

Rader Convertion

traffic control is now throughout fators select traffic snorth. When the New York area bettleneck a segment or instrument weather, spiling realing is delived and

Static in the Control Tower

storoed as fat away as the Malwest, Moore and New England Dorner IFR weather the Fast Court short Fred Lee says the CAA arount to the problem is stree 1946 to realy radar to traffic control problems. Not cetal 1952 did CAA become to operate a major traffer con-

As Sam Signt sourts out so separately, the technology as effected traffic created protein to handle technic traffic and pleaning its development to take area of toon the three batte problems raised by Suget there is battle hone for weldone the black booss that are now and non will be available into an elective traffic control

Bublic Dabata Nacoled It is most to see those better debates over air traffic meetican and rough who the feels air of nable differs. torough who halve men for relitory propert in the troffic control. Every offices who buys as airline ticket Above and beyond all this crellers debate and tenteamly-slow promou toward a vital god, lark the twen secretar of a smobile air delenes and makes collisions specific to a presence are transports over the heavily cont composted on traffic centers. Top-year offerents used studies are necessary to keep ears with the rand expansion of air traffic, but the my confineds. Courses will have to desense some other areset to solve the problem.

-Robert Hotz



PIRST IN FUEL METERING

Square Sales and State or Secretar Sebensationed Strictor, 189 E. Glad St., New York 17, 16,



CESSNA-180=One of America's most successful business tools

More and more Cessna 180's are joining the executive staffs of our country's progressive corporations. And they're earning an executive salary by providing fast, reliable and safe transportation. For the sales executive in a Cessna 180—the whole country is his territory. Of course, aluminum miltorducts from Reynolds play an important role in the building of this quiet,

speedy, four-place traveller.

Whenever aviation advances, Reynolds Aluminum advances with it.
Every step in Reynolds production is geared to the requirements of all
constantly progressing industries.

Reynolds goes beyond meeting rigid material specifications. Reynolds technical services make a continuing contribution to customers' design and engineering staffs—make Reynolds a part of many important industries rather than just a supplier.

Write the Reynolds Metals Company, P.O. Box 1800-TJ, Louisville 1, Kentucky. Ask for full information about how Reynolds can serve you.

See Reynalds New Program "Frontier" - Sundays on NBC-TV.

REYNOLDS



ALUMINUM

HELPFUL MATERIALS

Reynolds technical handbooks and

16mm, movies can contribute im

measurably to your training pro-

complete index and details about

his material, much of it available